



**ENGINEERING OPERATIONS COMMITTEE
MEETING MINUTES
APRIL 1, 2004 – 9:00 A.M.
AERONAUTICS COMMISSION ROOM**

Present: L. E. Tibbits J. Friend J. Polasek
B. J. O'Brien C. Roberts M. VanPortFleet
J. D. Culp R. Safford J. W. Reincke
C. Bleech

Absent: T. Fudaly

Guests: J. Grossklaus

OLD BUSINESS

1. Approval of the Minutes of the March 4, 2004, Meeting – L. E. Tibbits

The minutes of the March 4, 2004, meeting were approved.

2. Guidance Document 10032, Engineering Operations Committee (See March 4, 2004, Minutes, New Business, Item 2) – B. O'Brien

The guidance document has been revised and updated for the first time since 1998. Minor changes and additions were incorporated, which included the recognition of EOC's three appointed subcommittees; the Pavement, Traffic Recommendation, and Bridge Committees. The committee chairpersons will serve as members-at-large and will attend EOC meetings when agenda issues directly reflect their responsibility or charge.

ACTION: The guidance document is approved as amended.

NEW BUSINESS

1. Pavement Selection, I-75 Rehabilitation, CS 06111, JN 55125 – C. Bleech

The rehabilitation alternates considered were an HMA pavement (Alternate 1 – Equivalent Uniform Annual Cost [EUAC] \$31,957/directional mile) and a jointed plain concrete pavement (Alternate 2 – EUAC \$34,994/directional mile).

A life cycle cost analysis was performed and Alternate 1 was approved based on having the lowest EUAC. The pavement design and cost analysis are as follows:

1.5" (38.1mm).....HMA 5E10, Top Course (Mainline & Inside Shoulder)
2.5" (63.5mm).....HMA 4E10, Leveling Course (Mainline & Inside Shoulder)

3.2" (81.3mm).....	HMA 3E10, Base Course (Mainline & Inside Shoulder)
7.2" (182.9mm).....	HMA 4C, 3C, & 3C (Outside Shoulder)
	Underdrain System
9.25" (228.6mm).....	Rubblized Concrete Pavement
7.2" (182.9mm).....	Total Thickness
Present Value Initial Construction Costs	\$303,513/directional mile
Present Value Initial User Costs	\$27,357/directional mile
Present Value Maintenance Costs.....	\$107,311/directional mile
Equivalent Uniform Annual Cost	\$31,957/directional mile

2. **Pavement Demonstration Candidate Project: I-96, CS 82123, JN 52803, Proposed HMA Perpetual Pavement Demonstration – C. Bleech**

This item is tabled for a future meeting.

(Signed Copy on File at C&T)

Jon W. Reincke, Secretary
Engineering Operations Committee

JWR:kar

cc:	G. J. Jeff	S. Mortel	K. Peters
	K. Steudle	D. Jackson	J. Ingle
	L. Hank	W. Tansil	J. Steele (FHWA)
	EOC Members	D. Wresinski	A. C. Milo (MRBA)
	Region Engineers	R. D. Till	G. Bukoski (MRBA)
	TSC Managers	D. A. Juntunen	R. J. Risser, Jr. (MCPA)
	Assoc. Region Engineers	J. Ruszkowski	D. Hollingsworth (MCA)
	T. Kratofil	C. Libiran	J. Becsey (MAPA)
	M. DeLong	R. J. Lippert, Jr.	M. Newman (MAA)
	B. Kohrman	T. L. Nelson	M. Nystrom (AUC)
	J. Shinn	T. Phillips	J. Murner (MRPA)
			R. Brenke (ACEC)